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Rose Thorn Staff

*Rose-Hulman Institute of Technology*, [library@rose-hulman.edu](mailto:library@rose-hulman.edu)

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# the THORN



VOLUME 12, NUMBER 11

ROSE HULMAN INSTITUTE OF TECHNOLOGY

TERRE HAUTE, IND.

FRIDAY, JAN. 7, 1977

## CTAPS To Continue Through Lilly Grant

Rose-Hulman Institute of Technology has received a grant of \$85,306 from Lilly Endowment, Inc., of Indianapolis for the continued operation of the institute's Center for Technology Assessment and Policy Studies, according to Dr. Samuel F. Hulbert, president.

Rose-Hulman, which has been active in the fledgling field of technology assessment since 1971, received initial funding for a feasibility study and the development of some of the tools required for implementation of a TA program from Lilly Endowment in 1973. The Center for Technology Assessment and Policy Studies (CTAPS) was made possible by a \$100,000 Lilly Endowment grant in 1975.

Dr. A. T. Roper, associate dean of the faculty and professor mechanical engineering, was named director of CTAPS. Through his leadership Rose-Hulman has moved to the forefront in technology assessment and policy studies as it relates to undergraduate education.

Initially the program was an in-house operation at Rose-Hulman but has grown to include students from a number of Midwestern universities with academic backgrounds ranging from geology to philosophy and

engineering.

One of the most significant assessments undertaken by CTAPS to date was an undergraduate/faculty effort involving 10 outstanding students from six institutions and the CTAPS staff last summer.

The result of the summer internship was an assessment entitled, "The Indiana Coal Industry: An Undergraduate/Faculty Assessment." Results of the summer internship program in technology assessment were selected for presentation at the Second International Congress on Technology Assessment in October — a meeting which Rose-Hulman enjoyed particularly high visibility for its work in the TA field.

In addition to the student presentation on the Indiana coal study, Dr. Roper presented two papers describing the educational value of such a program.

One paper was based on Rose-Hulman's experience with a multi-institutional course in technology assessment which has been offered the last two years in a cross-enrollment basis with Indiana University, Indiana State University, DePauw University and St. Mary-of-the-Woods College. The paper not only dealt with the concept of teaching

technology assessment, but also described the development of vital communications links such as computer conferencing, an electronic mail system and use of two-way interactive television.

Dr. Roper's second paper dealt with TA's successes involving assessments done by students of diverse backgrounds. He also offered examples of how the basic concepts of the Rose-Hulman program have been incorporated into offerings such as senior systems design in both mechanical and civil engineering, world dynamics and political science.

A fourth paper was given by CTAPS associate directors Dr. Thomas W. Mason, associate professor of economics and chairman of the Division of Humanities, Social and Life Sciences, and Dr. Thad D. Smith, associate professor of political science. Their paper entitled "An Approach to Policy Formulation: Sulfur Oxide Emissions in Indiana" was a result of a study done by the CTAPS staff.

The Lilly funding will allow the CTAPS staff to expand and improve the program. In view of the success of the summer internship program last summer, the CTAPS staff has decided to double the number of interns in the 1977 program.

## DEAN BAILEY TO RESIGN

by John R. Lasswell

Dean Herbert R. Bailey, the Dean of Faculty, has announced his resignation as Dean at a Faculty meeting before the Christmas break. The Dean had agreed to fill in the last year of Dr. Logan's term in office, and as long as necessary into president Hulbert's term to insure a smooth transition.

Dr. Bailey has a clear idea of what the Dean's job is and how his personal performance rates against what he feels that a good Dean should do. Bailey feels that the Dean of Faculty's main duties are to represent the school at meetings and conferences nationwide; to organize, coordinate, and write proposals for funding, projects, and equipment; to reply to volumes of mail on a wide range of subjects, including enrollment, attrition, minority hiring, etc.; to recommend promotion, tenure and salary for the faculty; to discuss

with faculty members their plans and disappointments; and to prepare the budget for the academic segment of the school.

Known to be a tough evaluator of students, Bailey reserved an equally tough judgment for himself. He felt that he did not represent Rose-Hulman well nationally, was only fair at writing and coordinating proposals, was good at discussing matters with the faculty, and was average in the other areas. Bailey said, "I like to teach mathematics and engineering courses, and I least like to listen to the complaints of the faculty. For the modest salary differential, it is a clear cut choice. The only other reason to remain would be to assume that others could not do as well, and there are many others who could do at least as well, and several that could do a better job than I have."

## STUDENT INPUT REQUESTED

The president's commission on the Quality of Education is conducting an open meeting for interested students and faculty members to air their views on the topic of course overloads. The meeting will be held on Wednesday, Jan. 12, during the ninth hour in Room B-119. The purpose of the meeting is to get input on how course overloads

can affect the quality of education at Rose. There will be discussion on proposals to eliminate G.P.A. requirements on overloads and also on the proposed possibility of charging students extra fees per credit hour for taking addition courses. Come to B-119 on Wednesday and let your opinion be heard!

## Food Service Highlighted

by Eric Dansker

"It's nice to be able to quote how big we are, how many accounts we have, but Saga — or any company, in fact — boils down to the attitude that the people take toward what they are doing," says Rene Hebert, 28, Food Service Director at Rose-Hulman Institute of Technology. "I think that Rose-Hulman is fortunate in having one of the finest staffs that I have ever worked with — experience, knowledge, and the attitudes toward their jobs. They really care about the students."

Rene, now in his fourth year with Saga, completed an apprentice program during high school working under two chefs in his hometown of North Attleboro, Mass. he attended the University of Massachusetts and graduated in 1968 from the Culinary Institute of America, New Haven, Conn., which offers associate degrees in kitchen, hotel and restaurant management.

He has done various types of work at restaurants, hotels, and resorts, including five summers at the Harborside Inn in Martha's Vineyard. After joining Saga, he spent a year as food service manager at Wright State University in Dayton, Ohio, then was assigned to Rose-Hulman.

"My strengths are in fine food and beverage operations and training," he said. "I enjoy training because it's developing an attitude to want to do the job right and take pride in it."

"So much today, people really don't care about what they are

doing. But in food service, you can't be wishy-washy; you either want to do the job and do it right or you are going to fail."

Saga employs 35,000 persons in the United States, Canada, and Puerto Rico. It serves 415 colleges and universities, 250 businesses such as banks and insurance companies, and 150 hospitals. Saga owns and operates three restaurant chains in California: Velvet Turtles, Stuart Anderson's Black Angus Restaurants, and the Straw Hat Pizza Palaces.

At Rose, Saga employs 24 full-time persons and 30 to 40 part-timers. The part-time count varies as additional workers are hired for special events such as parties and banquets.

About 40,000 meals per month are served at Rose during the school year. Rose uses the original Saga program, known as "The Cadillac of Food Service Programs" and featuring unlimited seconds except on Friday nights. Few food services still do this, particularly at all-male schools, because it involves preparing at least two portions for every student.

A typical dinner at Rose means serving 600 students, which calls for 1200 chopped steaks, 300 portions of liver, and 100 portions of Western Omelette.

Institutions with financial problems often cut back on food quality, portion size, variety, and/or number of portions per student. These lessen the rate increases for room and board, but usually result in less satisfactory meals.

Menus for Saga accounts are planned by the firm's home office in Menlo Park, Calif. Directors of individual accounts may make changes for regional or contract arrangements; in the South, for example, grits would be served with breakfast every day.

Popular luncheon items at Rose are sandwiches, especially barbecued types, hamburgers, and sloppy joes. Serving 1600 sandwiches at lunch is common.

Dinner favorites include lasagna, chopped steak, fried fish, and turkey with dressing. Another favorite dish is chili: 200 portions served during a meal is routine. But chili presents a problem in satisfying different tastes, as has been noted on the dining room bulletin board.

"The seasoning is a problem when we are preparing," said Rene. "Trying to get a happy medium is something we go through every day to please all the tastes we have at Rose, walking the fine line between overspiced and bland."

Rene says he saves all the comments he receives because it is a good way to locate and correct problems with the food service.

"I thought the Captain Kangaroo note was one of the best comments I ever received," he said. "It was really a compliment. I guess that if everyone could have their head where Captain Kangaroo has his, this would be an altogether better world. I get him for awhile in the morning before I take my daughter to

## COMING EVENTS

Friday, Jan. 7	Rose vs. Illinois Collg. 8:00 P.M.
Sunday, Jan. 9	Rose at Centre IDC Film Funny Lady 8:00 P.M.
Tuesday, Jan. 11	SAB presents Honeytree 8:00 P.M. Hulman Union
Wednesday, Jan. 12	Rose at Blackburn
Saturday, Jan. 15	Rose at Principia
Sunday, Jan. 16	IDC Film Funny Girl 8:00 P.M.
Tuesday, Jan. 18	SAGA Gourmet Club
Wednesday, Jan. 19	
Thursday, Jan. 20	SAB presents
Friday, Jan. 21	Dave Rudolf
Saturday, Jan. 22	FREE
Saturday, Jan. 29	SAB Talent Show

### NOTICE

There are a limited number (7) of openings for summer work as student assistants for the Catapult program. (For high school students.) Applicants should be capable and interested in lab work, reasonably successful in academics, personable (able to meet people - students and parents - easily and communicate with them), and be interested in working with and being responsible for the students in both lab and dormitory environments. Applications are available from Mrs. McCullough, math division secretary, and must be submitted not later than Feb. 15. For further information see Professor Schmidt. (Students graduating this May are eligible as undergraduates).



## EIT for Seniors

Each year Rose-Hulman Institute of Technology in cooperation with the Indiana State Board of Registration for Professional Engineers gives an Engineer-in-Training examination on this campus. This is the first step in securing the license as a Registered Professional Engineer, which for many graduates is very important to their professional career.

The examination is open to all students in their senior year and who are graduating in an ECPD approved curriculum (CE, ChE, EE, EV, ME). Students who will be listed in the May graduating class or who will be completing their work this calendar year are eligible and are very strongly urged to take the examination which is prepared by the National Council of Engineering Examiners. The examination will be held April 16, 1977, 8:00 a.m. to 5:00 p.m. Application forms and additional information is contained in letters being sent to each eligible student.

Under the provisions of the Indiana Registration Act, first ap-

proved in 1935, a student is eligible to take an examination in the Fundamentals of Engineering in his senior year and then after four years of engineering related employment, take a second examination, Principles and Practice of Engineering.

Satisfactory completion of both examinations along with satisfactory references leads to the Professional License. A common question that is often asked is one posed by a student who expects to work in some other state, "Will the EIT certificate be of value in that state?" The answer to that question is "yes" as most states have what is called "comity" (negotiable at par), a provision whereby the EIT certificate from Indiana is recognized as meeting that state's registration requirement.

Distribution of information will go to eligible students during the week of January 3 to 7. Anyone not getting information on the examination who is eligible should notify Professor I.P. Hooper.

## New Programs For High School Seniors

The Admissions Department is inaugurating new programs to help inform high school seniors about Rose. These programs are designed to add student input into the informational procedures.

It is felt that Rose men themselves will be best able to answer many questions about the school and student life that a prospective student may have, thus giving a more complete picture of the Institute to these students. It is hoped that in this way a prospective student will be better able to decide whether or not Rose is the right school for him.

The Department is, first of all, encouraging contact between Rose students and those people who have been admitted for next year. A list of students accepted for admission has been prominently posted in the Main Hall. Rose students are urged to check this list and contact people they know or who are from their area. Addresses and high schools

are posted on this list; phone numbers for these students are available in the admissions office.

The Admissions Department also plans to have Rose students meet with high school seniors while they are making campus visits. While a prospective student is on campus he will have the opportunity to talk with a Rose man, asking him questions and getting a better idea of student life and student opinion.

Rose students have been asked to offer their help a few times a term in this way, at lunch or other times convenient to them, when they would be free to talk to someone about the school. A questionnaire to find out who would be willing to assist in this manner was distributed to all students at the end of fall term.

Responses to this survey have been collected and organized; names of volunteers will be taken from this list. The Department is pleased with the overwhelming

student response (137 students have offered to help), and appreciates everyone's offer to help.

It is hoped that these two programs would bring a greater rapport between the Admission Department and the student body.

## Community Blood Bank

On Jan. 5, 1977, the IFC and the IDC sponsored a blood drive for all the students at Rose. The Terre Haute Community Blood program arranged for three teams from the Central Indiana Regional Blood Center in Indianapolis to come on campus for one day to draw blood. All students, faculty, and staff were asked to come over to the Mind Garden and give a pint of blood.

It took approximately 45 min. for each student to take a mini-physical, have the blood taken, and rest for a period afterward in the snack bar. Within an hour after the donor finished, he fully recovered.

The IDC is sponsoring a contest to see which floor on campus or fraternity will give the most blood per man (one pint from each donor). The IDC will give \$25 for the floor's party allotment to the floor that wins or a trophy to the fraternity.

The Community Blood Program has set a quota of 200 pints. If this is reached, then Rose students and the Glenn Home will be covered by a blanket policy. Any student at Rose who needs blood over the next year will be given blood free of charge from the bank. This applies no matter what hospital the Rose student is at in the United States. Also any student who has his immediate family living in Vigo County will also be covered.

## Letter To The Editor

Dear Editor:

An excellent convo program was provided by our band, glee club, and jazz ensemble Tuesday, Dec. 14. Those who attended were impressed and delighted with the high quality of music and singing. However, a disappointing few enjoyed this fine program since the auditorium was dominated by empty seats. It was a program that deserved an overflowing crowd. All segments of the Rose-Hulman community were poorly represented, including students, faculty, administration, and service personnel.

Convo programs are scheduled to provide additional enriching experiences for all of us. Not to attend is to deny yourself of this enrichment. Also not to attend is to indicate that you do not support convo programs. We need to do some soul searching and assess our values. Let us all try to increase our involvement in all activities and show that we really care about what is going on. It is impossible to attend all activities but at least try to work in as many as you can in your schedule. Our campus will be an even better place if we all get involved and share and thereby show that we care.

Sincerely,  
Terry Ishihara

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# Student Congress Third Session

The meeting was called to order by vice president Choi Wong at 4:30 p.m. in Room C-126.

The previous minutes were amended to read that Anil Patel had volunteered for traffic court.

## COMMITTEE REPORTS

**Student Activities Center Committee** — Chairman Tim Jackson reported that the committee met with Col. Willis and discussed the suggestion to build three or four new offices in the old library by means of partitions. Options discussed on the proposed student center included maintaining the present machines, and in addition bringing in a cart with food and sandwiches to sell. They proposed to send out a questionnaire during the first week of the second quarter to find out the feelings of the students on the present machines, and the need for new offices and machines. They were presently in the process of contacting organizations to find out whether or not the new offices were needed, and who needed them.

## OLD BUSINESS

The second reading of a bill to add the ASCE to the Honor Point system was made. Discussion was held on whether the office of ASCE vice president should be given five honor points. After discussion, Tim Jackson moved and Gary Roberts seconded a motion that the bill be amended so that the allotment of honor points would be the following:

ASCE	POINTS
President	6
Vice-President	3
Secretary	3
Treasurer	3

The sponsors of the bill agreed to the change and the amendment passed, 17-5. The bill was then adopted unanimously.

Bob Cultice asked for volunteers to run the polls for the elections of Student Congress freshmen representatives.

## NEW BUSINESS

**Bill Three, Soccer Club, First Reading** — The bill was submitted by Anil Patel and Paul Fox to approve the constitution of the Soccer Club as presented.

**Bill Four, Appropriation for Chess Club, First Reading** — The bill was submitted by Bob Cultice and Anil Patel and asked that the Congress appropriate \$250 for the Chess Club to defray expenses for the 1976 Pan-American Intercollegiate Chess Championships in New York.

Pres. Randy Ridgway announced that the matter of the 2.9 GPA requirement for those students with double majors was discussed at the Student-Faculty meeting, and that the faculty agreed to refer the matter back to the Rules Committee for further consideration.

Chris Black, Student Representative to the Committee on Rules, asked for the representatives' opinions on the 2.9 GPA-double major issue, the present overload procedure, the value of midterm grades, and rules on required attendance. It was found that the Congress generally felt that the rule on the required 2.9 GPA for those with double majors should be abolished. Jerry Baynes moved and Anil Patel seconded that the Student Congress approve Chris Black to represent it on this matter at the next Rules Committee meeting. The motion passed unanimously.

It was found that the Congress was divided on the other issues.

Pres. Randy Ridgway then read a statement from Dr. Ishihara that the next meeting with the rules Committee would be on Monday, Nov. 15, at 4:30 p.m. in room E-108, and that all interested representatives should attend.

V.P. Choi Wong asked for volunteers for a committee to review the appropriations for Honor Key points. There were no volunteers.

## GOOD OF THE ORDER

Pres. Randy Ridgway reported that the refrigerators had been ordered, and that Dr. Hulbert is going to form two committees of faculty; board, and students to look into the coed situation.

Thomas Jefferson's historic Virginia house, Monticello, served as a cow barn and rubbish heap in the 1870s until it was bought and renovated by a new owner.

Corn is the most important wildlife food in Indiana but cornfields alone support very few wildlife species.

# Fourth Session

The meeting was called to order by Vice-President Choi Wong at 4:30 p.m. in Room B-119.

The previous minutes were approved as read.

V.P. Wong welcomed the freshman representatives, and asked that all members submitting excuses for absences from the meetings also submit a valid reason for not attending.

## COMMITTEE REPORTS

**Traffic Court** — Chairman Jeff Paitson reported that the decisions had been posted on the bulletin board.

**Freshman Representatives Election Committee** — Bob Cultice reported that the freshmen living in Mees Hall had no representatives, and that they were waiting for someone living there to file a petition.

**Student Activities Center Committee** — Chairman Tim Jackson was not present, but V.P. Wong spoke for him and announced that

the questionnaire concerning the proposal to convert the old library into a student center had been distributed.

## OLD BUSINESS

**Bill Three, Soccer Club, Second Reading** — Raymond Farmer, president of the club, announced proceedings of the club and answered questions concerning the future of the club and finances concerning it. After discussion, the club was recognized and its constitution approved, 32-0.

**Bill Four, Appropriations for Chess Club, Second Reading** — Sponsor Bob Cultice reported how the money would be used, and along with Glenn Wilson, answered questions concerning the money they now had in their treasury, and what would be done in the way of finance for future trips. Michael Jacobs moved and Gerry Dail seconded a motion to table the bill. The motion failed, 26-6. The question was then moved, and the bill failed, 19-11. In an effort to appropriate a smaller amount, Mike Sterling moved and Glen Wilson seconded a motion to suspend the rule on first reading of another bill. The mo-

tion passed, 27-2. After more discussion, Mike Sterling proposed to allot \$150 rather than the \$250 asked for in the original bill. There was no discussion, and the motion passed 26-4.

V.P. Wong then asked for volunteers to an Honor Key Committee, to review the allotment of Honor Key Points. Gary Roberts and Gerry Dail volunteered.

## NEW BUSINESS

**Bill Five, Rose Orienteering Club, First Reading** — The bill was sponsored by Gerry Dail and Mike Sterling, and asked that the Congress recognize the Rose Orienteering Club and approve its constitution as presented.

President Randy Ridgway announced his appointment of Mike Kuenning as Clerk to the Judicial Council to replace Jeff Kearns. Gerry Dail moved and Norman Owens seconded a motion to approve the appointment, and the appointment passed unanimously.

A thought for the day: Dr. Martin Luther King, Nobel Peace Prize-winner, said, "Injustice anywhere is a threat to justice everywhere."

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## War College Invades Rose

The U.S. Army War College Current Affairs Panel was on the campus of Rose-Hulman to discuss national security matters of current interest as part of the local ROTC detachment's guest speaker program.

The panel is comprised of six officers from the various branches of the Army. The panel's presentation begins with a brief identification of several current defense issues and continues with discussion of such areas as current strategy, the volunteer Army, material and budgetary considerations, regional concerns, and social problems within the Army.

The panel is headed by Col. Donald P. Shaw, Armor, a member of the Department of National and International Security Studies at the U.S. Army War College. A graduate of the U.S. Military Academy in 1954, he holds degrees in public ad-

ministration from Harvard University and in political science from the Pennsylvania State University system. His service includes command and staff assignments in Turkey, Europe, and Vietnam and a command of a reconnaissance squadron in Germany.

Other members of the panel are all members of the Class of 1977 at the War College and represent a number of branches of the Army.

They include Lt. Col. Howard Boone, Ordnance Corps; Lt. Col. Jerry D. Lambo, Signal Corps; Col. John N. Moellering, Corps of Engineers; Col. John T. Murchison, Jr., Armour; and Lt. Col. John S. Peppers, Infantry.

They represent both public and private educational institutions and the U.S. Military Academy and have all earned at least a master's degree since entering the military.

## STUDENTS SPLIT OVER CO-EDUCATION

A student opinion poll in the November 12 issue of the Thorn has revealed that the student body of Rose-Hulman is split over the issue of co-education.

Of 106 responses to the poll, 46 or 43.4% of the students were in favor of Rose-Hulman becoming co-educational.

Students favoring co-education listed fairness as the most important reason. They felt that it is unfair to bar female students from attending Rose-Hulman. Many students felt that an all male environment is unnatural, and that students will compete with women once they have graduated. Students favoring co-education generally believe that the campus atmosphere would improve. However, those favoring co-education felt that female students should not be admitted unless they meet the high academic standards of Rose.

On the other hand, students opposed to co-education felt that admitting female students would

harm the quality of education. Many believe that female students would detract from studies. Students opposing co-education are also of the opinion that any benefits of co-education are outweighed by the disadvantages, one of these being excessive government regulation. Also, students felt that they would be at a disadvantage in looking for a job senior year, with many companies under pressure to hire women.

Although such a poll could not be considered accurate, with 106 out of 1120 students responding, it does give an indication of student opinions and roughly how those opinions are split. Some students evidently felt that the poll was a referendum, which it was not, and attempted to stuff the ballot box. Those responses were not counted.

The question of Rose-Hulman becoming co-educational will be decided in a joint committee of students, faculty, and alumni. The committee is due to deliver its report to Dr. Hulbert in May. If the decision is favorable, Rose-Hulman could possibly admit female students in the fall.

## STUDENTS HONORED

In recognizing academic achievement, the General Assembly provided that the State Scholarship Commission will award monetary scholarships to twenty academically qualified students per year.

The Top Twenty Scholarships are awarded to freshman students only and are determined by a composite score (class rank and SAT score). Recipients of these awards must attend eligible institutions in the State of Indiana.

Named as Top Twenty Scholars were three Rose-Hulman freshmen — William G. Fanning from Indianapolis, Rex W. Joyner of Ft. Wayne, and Donald J. Ringwald from Madison, Ind.

## Pi Mu Epsilon Holds Banquet

Dr. Robert J. Hill, associate professor of mathematics at Purdue University-Calumet in Hammond, was the featured speaker at the annual initiation banquet of Pi Mu epsilon mathematics honorary at Rose-Hulman.

Dr. Hill, who worked as an aerospace engineer for NASA for eight years prior to turning to teaching, spoke on "The Space Program: An Overview."

Earlier in the day, he conducted a seminar entitled "Iteration and Spacecraft Trajectories" in Room G-220 of Crapo Hall on the campus of Rose-Hulman. The public was invited to the seminar.

Prof. Hill earned B.S. and M.S. degrees at Auburn University in 1957 and 1958 respectively, and completed the Ph.D. at the University of Alabama in 1970. His career includes a teaching assignment at Clemson (1958-60) and work as an aerospace engineer at Chrysler Corporation (1960-62) and NASA (1962-70). He has been with Purdue since 1970.

Fifteen juniors and a sophomore who is eligible for the honorary by virtue of having taken upper level mathematics courses as a freshman and first-term sophomore will be inducted into Pi Mu Epsilon. They include:

Sophomore Jan V. Slupesky, Indianapolis; and juniors Edward J. Altman, Winamac; John S. Andersen, Ft. Wayne; Leo R. Bakel, Evansville; Yick Man Chan, Terre Haute; Jerry E. Douglas, Indianapolis; Karl F. Fox, Ft. Wayne; James S. Freudenberg, Ft. Branch; Tod K. Johnson, Hobart, and Timothy J. Siktberg, Anderson.

Also, Robert A. Strickland, Indianapolis; David R. Sutherland, Hoffman Estates, Ill.; Dennis J. VandenBrink, Wyoming, Mich.; John W. Whikehart, Fort Wayne; David A. Whiteley, St. Louis, Mo.; and Ronald A. Wier, Indianapolis.

## Device To Monitor Solar Heating

The first data collection unit in a centralized, nationwide network for monitoring efficiency and performance of solar heating and cooling systems began operating last week, sending data to SASA in the Energy Research and Development Administration (ERDA) solar energy demonstration program.

The unit, called the Side Data Acquisition System (SDAS), began daily transmission of performance data from the solar heating and cooling system demonstration at the George A. Towns Elementary School in Atlanta, Ga.

The raw data is received, processed and printed out by a central data processing facility at the IBM Co. in Huntsville, Ala., under contract to NASA's Marshall Space Flight Center, Huntsville.

Other SDAS units, developed by IBM under NASA Marshall contract, will be placed across the nation. The total number of demonstrations may reach 2,000 or more by the end of 1979.

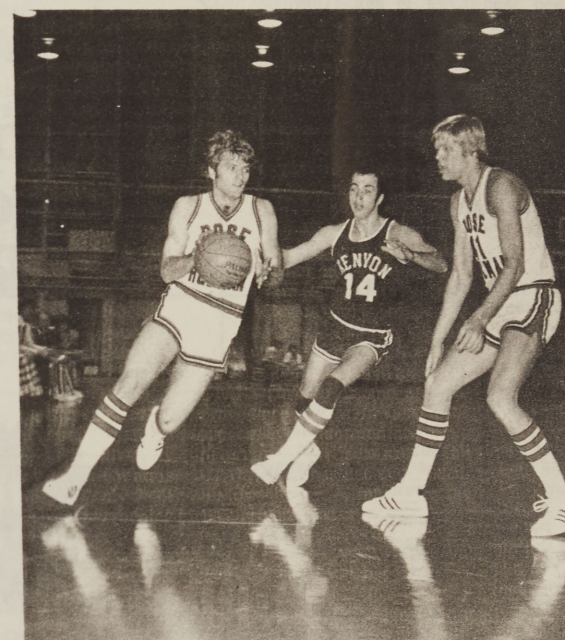
The intent of the national solar heating and cooling program is to demonstrate economical, efficient systems for residential and commercial buildings and to stimulate marketing and public acceptance.

The data gathering network will collect performance and climatic data, including temperature, humidity, wind, available sunlight, collector inlet and outlet temperature, flow rates, and the performance of the energy storage system.

Periodic analytical reports will



Rose scores against Kenyon. Photo by Tony Wheeler



Mike Griggs Drives. Photo by Tony Wheeler

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### Food Service (Cont.)

school. He's a pretty cool dude." Rene has noticed one problem in particular: students are wasting too much food. It is important that waste be minimized, he says, in view of food prices and shortages in the world.

"I've noticed it especially since the return from Thanksgiving, and I'm surprised because usually the guys here are pretty good about this. But I'm seeing half-full glasses of milk, sandwiches with just a few bites taken," Rene said.

"I may have to enforce this strictly, as it should be in an unlimited seconds program: take one, come back for more. Students' eyes are sometimes bigger than their stomachs."

"If there is a problem with anything, my office door is always open. My number one priority is taking care of the students; that's what I'm here for. My objective is to make people happy."